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LOCAD

DIST00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A1	REVISED PER ECO-14-013645	09SEP2014	NK	RH

TERMINAL #1

RECOMMENDED PC BOARD LAYOUT

CIRCUIT DIAGRAM

SPECIFICATIONS:

MATERIALS:

CASE, PPS, UL94V-0, BROWN
COVER, STAINLESS STEEL
ACTUATOR, SILICON RUBBER- WHITE/NATURAL
MOVING CONTACT, STAINLESS STEEL, PLATE-SILVER CLAD/NICKEL
FIXED CONTACT/TERMINAL, COPPER ALLOY, PLATE-SILVER/NICKEL

ELECTRICAL:

MAX CONTACT RATING: 50MILLIAMPS@24V DC
MIN CONTACT RATING: 10MICROAMPS@1V DC
INITIAL CONTACT RESISTANCE, 100 MILLIOHMS MAX, PER EIA-364-23B, EACH POSITION
INSULATION RESISTANCE, 100 MEGOHM MIN. PER EIA-364-21C EACH POSITION
DIELECTRIC STRENGTH, 250 V AC FOR 1 MINUTE, PER EIA-364-20B, CONDITION 1, EACH POSITION.
CONTACT BOUNCE, 10 MILLISECOND MAX, PER EIA 448-1B, METHOD 15

MECHANICAL:

ACTUATION FORCE, SEE TABLE
ACTUATION TRAVEL, 0.25±0.2MM, .050 MAX. OVER TRAVEL
LIFE EXPECTANCY, SEE TABLE, VALUES GIVEN ARE MINIMUM, (2 CYCLES PER SECOND AND 150% ACTUATION FORCE), PER EIA-448 METHODS 8 AND 9
VIBRATION, PER EIA 364-28D, CONDITION VII, LEVEL E, DURATION 1.5 HOURS
MECHANICAL SHOCK, PER EIA-364-27C, CONDITION A

ENVIRONMENTAL:

OPERATING TEMPERATURE, -35 TO +85 DEGREES C
STORAGE TEMPERATURE, -35 TO +85 DEGREES C
HUMIDITY AND TEMPERATURE CYCLING PER EIA-364-31B, METHOD III
THERMAL SHOCK, PER EIA-364-32C, -35 TO +85 DEGREES C
SOLDERABILITY, PER EIA-364-52, CLASS 2, CATEGORY 1, TEMP, 245 DEGREES C MAX, TIME, 2.5 SECONDS MAX, 95% MINIMUM COVERAGE
RESISTANCE TO SOLDER HEAT, PER 109-201 COND B
NO CHANGE IN INITIAL ELECTRICAL AND MECHANICAL CHARACTERISTICS
SEALED PER EIA RS-448-2, METHOD 16, FLUXING- METHOD B, SOLDERING TIME- METHOD 3, CLEANING- METHOD 3, SOLUTION 4
SWITCH WILL PASS EXTENDED LIFE COMPRESSION TEST (SIMULATING 10 YEARS COMPRESSED AT MAX TRAVEL), REFERENCE TYCO 109-1098 SPECIFICATION.
1 SECOND MAX RELEASE AFTER TEST

1

ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS):

2

TAPE AND REEL PACKAGING PER EIA-481.

TAPE & REEL

5,000,000

160±50GF

1825107-1

PACKAGING

CYCLE LIFE

FORCE

PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN21MAY2008

CHK21MAY2008

APVD21MAY2008

PRODUCT SPEC

APPLICATION SPEC

WEIGHT-

CUSTOMER DRAWING

DIMENSIONS:

mm

MATERIAL

SEE SPECIFICATIONS

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± 0.30

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH

SEE SPECIFICATIONS

TE

TE Connectivity

NAME

TACTICLE SWITCH 6X6 mm

J-LEAD, SURFACE MOUNT W/SOFT ACTUATOR

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A2

00779

C=1825107

-

SCALE

6:1

SHEET

1 of 1

REV

A1

1471-9 (3/11)

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